

NOVEMBER/DECEMBER 2024

**FEBC54/CREBC54/CSBC55–
MEDICAL LAB TECHNOLOGY**

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How do use the chemical reagents in laboratory?
2. What is the importance of first aid equipment?
3. How do examine the bile pigments in urine sample?
4. Name the test required to examine the fecalfatin lab.
5. What is called as clotting time?
6. What is the significance of PCV?
7. How do examine the semen sample in lab?
8. What is Rh typing?
9. Write two significance of Neilson staining for TB.
10. How do prepare the culture media for sputum in lab?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Elaborate the importance of code of conduct for laboratory personnel.

Or

- (b) Explain the quality control of quantitative data.

12. (a) Outline the chemical examination of urine sample in lab.

Or

- (b) Examine significance of specimen collection of fecalmatter in lab.

13. (a) Discuss the method and the clinical significance of ESR.

Or

- (b) How do preserve the blood sample in laboratory?

14. (a) Give on account of ABO blood group system.

Or

- (b) Explain the cerebrospinal fluid analysis and its interpretation.

15. (a) Discuss the culture media and antibiotic sensitivity for stool sample.

Or

- (b) Explain the safety procedure in microbiological techniques.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Elaborate the importance of good laboratory practices.

17. Explain the composition and interfering factors in urine sample.

18. Illustrate the procedure involved in estimation of HB.

19. Discuss the blood transfusion and its complications.

20. Outline the culturing of organisms from various specimens.